



T073

Wednesday, 21/7/2021

08:30 – 11:30 AM

Names

Index number

TVET NATIONAL EXAMINATIONS, RTQF LEVEL 5, 2020-2021

QUESTIONS and ANSWERS BOOKLET

OPTION/ TRADE : **COMPUTER APPLICATIONS AND MULTIMEDIA**

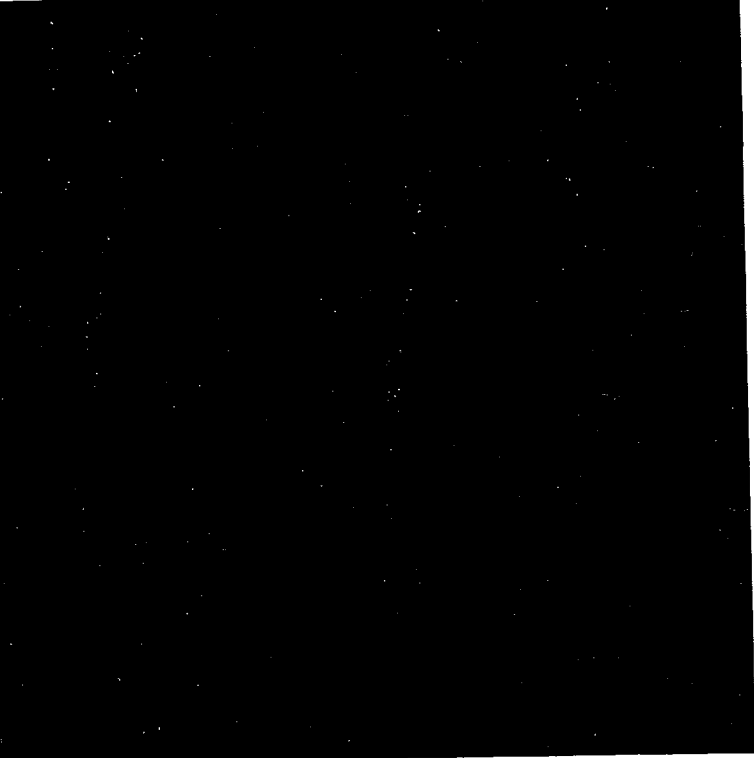
SUBJECT : DIGITAL IMAGES PHOTOGRAPHY PRODUCTION

ACADEMIC YEAR: **2020-2021**

Read carefully the instructions on page (i) & (ii).

FOR EXAMINER'S USE ONLY

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TVET NATIONAL EXAMINATION, RTQF LEVEL 5, 2020-2021

INSTRUCTIONS TO CANDIDATES: PART I (Answer Booklet)

1. A candidate should fill in the actual names and the index number on the cover of this questions and answer booklet on the provided place (Black Box).
2. It is illegal for a candidate to write any of his/her names, index number or a school name inside the answer booklet.
3. A candidate should check if all pages of the answer booklet are complete. No candidate should remove or tear any pages or part of it from the answer booklet.
4. A candidate should answer in the language in which the examination is set. (See page **(ii)**)
5. A candidate should sign on the sitting plan when submitting the answer booklet. He/she has also to check if the answer booklet is well sealed.
6. No extra paper is allowed in the examinations room. If a candidate is caught with it his/her results will be nullified.
7. No candidate is allowed to write answers not related to the subject being sat for, otherwise it will be considered as a cheating case.
8. Write your answers on the 12 lined pages (From page 1 of 12 to page 12 of 12).
9. Use the last non-lined pages as draft.
10. Results for any candidate who is caught in examination malpractices are nullified. The cheating can be recognized during examinations administration, marking exercise or even thereafter.

TVET NATIONAL EXAMINATION, RTQF LEVEL 5, 2020-2021

OPTION/TRADE: COMPUTER APPLICATIONS AND MULTIMEDIA

SUBJECT: Digital images photography production

DURATION: 3 hours

INSTRUCTIONS TO CANDIDATES: PART II (Question paper)

The paper is composed of two (2) main Sections as follows:

Section I: Attempt all the Twelve (12) questions (60 marks)

Section II: Attempt any Four (4) questions out of Six (6) (40 marks)

Allowed materials:

- Ruler and square
- Calculator

Note:

Every candidate is required to carefully comply with the provided assessment instructions.

Section I: Attempt all the Twelve (12) questions**(60 marks)****01.** Define the following terms:**(5 marks)**

- a) Colour correction
- b) Image file compression
- c) Image file format
- d) Image resolution
- e) White balancing

02. a) What is a digital image?

b) How can you capture a digital image?

(5 marks)

03. Match the color tone in column A with corresponding description in column B by writing the answer in a provided space.

(5 marks)

Answer	Column A	Column B
1.....	1. Colour tone	A. An image looks more sharp or more detailed
2.....	2. Contrast Sensitivity	B. It looks similar to grain found in film photographs
3.....	3. Blurring	C. Unwanted changes in photos that result from the inner workings of your camera.
4.....	4. Visual Noise	D. It measures the ability of visual system to discriminate an object from its background
5.....	5. Artifacts	E. Photogrammetry is used for accurate measurements on remote sensing images and photographs
		F. It is produced either by mixing a color with grey, or by both tinting and shading

04. Give at least five (5) cleaning equipment of camera. (5 marks)
05. a) What is Adobe Photoshop? (5 marks)
- b) What is a Gradient in Adobe Photoshop?
06. Give five (5) camera mount kit. (5 marks)
07. Differentiate optical zoom from Digital zoom. (5 marks)
08. How can you transfer file from digital camera to a computer? (5 marks)
09. List five (5) common camera storage devices. (5 marks)
10. a) What is metadata? (2 marks)
- b) Give three (3) examples of metadata on an image? (3 marks)
11. How do you crop an image in Adobe Photoshop? (5 marks)
12. Answer by **True** or **False**: (5 marks)
- a) Each Photoshop tool has a corresponding shortcut key.
- b) In a composition, brightness is used to direct the viewer's eye to a specific area or image.
- c) The quality of your printer and paper will affects the appearance of your output.
- d) Using the zoom tool, you can view the areas you need to focus on in as high or as low of a magnification as you want.
- e) You need an internet connection to use Photoshop help.

Section II: Attempt any Four (4) questions out of Six (6) (40 marks)

- 13.** Draw and explain triangle exposure and general rule of ISO. **(10 marks)**
- 14.** As image editor, write step to do the following: **(10 marks)**
- a) Blemish remover steps
 - b) Remove red eye steps
- 15.** Explain the following raster file formats:
- a) JPEG (or JPG)
 - b) PNG
 - c) GIF
 - d) TIFF
 - e) BMP
- (10 marks)**
- 16.** Describe the four (4) types of digital images Resolution. **(10 marks)**
- 17.** Describe how you can set goals for your photographic project. **(10 marks)**
- 18.** What are the advantages and disadvantages of smartphones in photography? **(10 marks)**

Do not write anything on this page !

